



CONFIDENTIAL INFORMATION - INTERNAL USE ONLY

San Francisco - Oakland Bay Bridge New East Span Self-Anchored Suspension Project

E2 Shear Key S1/S2 and Anchor Rod CCO Tracking Status

Updated: 5/15/2013

CCO NO.	Description	Reference	Work Performed By	Method of Payment	ABFJV ROM	Date of TBPOC Approval	ATP Letter to ABF	Executed Date	Status	EWB Submitted	Amount ABFJV has currently spent/committed to (includes ABFJV MU) As of 5/13/2013	Notes
Field Work												
320	Temporary Bearing Shimming	Install steel shim plates between the temporary bearing foot and a temporary jacking lug welded to the temporary bearing base plate. (RFI 3242)	ABFJV	EWFA	\$ 100,000.00				G			
325	Concrete Demolition	- E-2 Concrete Demolition - Surface prep. (bush hammering)	Conco	EWFA	\$ 1,500,000.00				G		\$ 1,595,000.00	Penhall (concrete sawing and keying)- \$1.1M Water handling/containment/disposal- ROM \$350K
326	Concrete Coring	E-2 Concrete Coring + Keyway saw cutting + water disposal	Penhall	EWFA	\$ 1,000,000.00				G			
327	ABFJV Field Work	All ABFJV Field work and subcontractor support, incl.: - Mob. and Demob. access/falsework/platforms, etc. - Field work and subcontractor support - Survey, Testing, and QC - Install Steel Saddle (set, grout into place, etc.) - Final Field paint and touch-up	ABFJV	LS	\$ 2,000,000.00				G			
328	Bar Reinforcing Steel	Furnish and place rebar	Harris Salinas	LS	\$ 500,000.00				G			
329	E2 Shear Key Concrete	Forming, placing, curing, and finishing concrete	Conco	LS	Costs included in CCO 325				G			
330	Post Tensioning	Furnish strand/anchors, install, stress, grout, testing, etc	Schwager Davis	LS	\$ 1,000,000.00				G			
Subtotal					\$ 6,100,000.00						\$ 1,595,000.00	
Fabrication												
313	Shear Key Materials	Procuring the necessary long lead time materials for the retrofit of Pier E2 Shear Keys 1 & 2.	Leeco, XKT Evraz	EWFA	\$ 1,500,000.00	4/11/13	4/19/13		G		\$ 1,455,566.12	EVRAZ- \$625,831; Leeco \$138,728 (\$97K credit for cancelling material); XKT \$510,781 (inc tax)
319	E2 Shear Key Retrofit Fabrication	Fabricate Steel Saddle	XKT	EWFA	\$ 2,000,000.00				G			
Subtotal					\$ 3,500,000.00					\$ -	\$ 1,455,566	
Subtotal (Field Work & Fabrication)					\$ 9,600,000.00					\$ -	\$ 3,050,566	
*TBPOC Approved Expenditure (Field Work & Fabrication)										\$ 4,300,000	\$ 4,300,000	
Remaining Funds from TBPOC Approved Expenditure (Field Work & Fabrication)										\$ 4,300,000	\$ 2,844,434	
Testing/ Rod Replacement												
312	Furnish Anchor Rods	Furnishing twenty (20) replacement ASTM A354 Grade BD anchor bolt assemblies for the Pier E2 Crossbeam Shear Keys and Orthotropic Box Girder (OBG) Bearings. Performing one embrittlement test per anchor bolt lot on the full size diameter threaded section.	Dyson	EWFA	\$ 100,000.00	4/11/13	4/19/13 4/24/13		G			
314	Remove, Replace & Test Sample Rods	-Removing anchor rods from Pier E2 shear keys and bearings. Retensioning the selected rods to 0.75 Fu, re-securing the nut, and then letting the rods sit for a period of 24 hours prior to removal. At an independent testing laboratory, loading the removed rods to failure. -Removing galvanizing from the top of shear key and bearing rods. After the Department has performed hardness tests on the rods, replacing the galvanizing that was removed with inorganic zinc primer. - Removing and test anchor rod from Tower	ABFJV + subs (Carpenter Rigging, etc)	EWFA	\$ 500,000.00	4/11/2013 5/9/2013	4/19/13 5/3/13 (email) 5/6/13 5/7/13		G		\$30,800.00	Carpenter Rigging \$28,000
Subtotal					\$ 600,000					\$ -	\$ 30,800	
**TBPOC Approved Expenditure										\$ 1,000,000	\$ 1,000,000	
Remaining Funds from TBPOC Approved Expenditure										\$ 1,000,000	\$ 969,200	

\*4/11/13 TBPOC Meeting: TBPOC approved an expenditure of up to \$4.3M to (1) purchase replacement rods, (2) secure long lead materials fo retrofit strategy B and C, and (3) to keep retrofit strategy A in play, but not to spend any of the approved \$ on it.

\*\*5/9/13 TBPOC Meeting: TBPOC Meeting- The TBPOC approved a not-to-exceed amount of \$1 M for the wet test of 2010 bolts, and revised the April 11 approvalfor the \$4.3 M expenditure to include all E2 shear key anchor bolt activities. See meeting minutes.

STATUS CODE	DESCRIPTION
AA	Closed CCOs
A	Executed CCOs
B	With Contractor for Signature
C	Finalizing CCO/ Reviewing Cost Proposal
D	Waiting for Contractor Cost Proposal
F	Require Additional Information from Designers
G	Require Additional Information from CT/Seniors